

Title (en)

FIRE SUPPRESSION FLUID CONTAINING A CARBOXYLATE SALT

Title (de)

BRANDLÖSCHFLÜSSIGKEIT MIT EINEM CARBOXYLATSALZ

Title (fr)

FLUIDE D'EXTINCTION D'INCENDIE CONTENANT UN SEL DE TYPE CARBOXYLATE

Publication

EP 3863736 A1 20210818 (EN)

Application

EP 19794855 A 20191011

Priority

- US 201862744728 P 20181012
- US 2019055782 W 20191011

Abstract (en)

[origin: WO2020077175A1] An aqueous fire sprinkler fluid containing a C4 or greater carboxylate salt for freezing point depression is described. The salts may be used in conjunction with glycols. The salts decrease the combustibility and give lower viscosity than higher glycol fluids, both benefitting fire sprinkler systems. These salt solutions are friendly to metal and CPVC pipes and are thus useful for fire sprinkler systems by not causing environmental stress cracking of the CPVC components and not being corrosive to the metal parts.

IPC 8 full level

A62D 1/00 (2006.01); **C23F 11/12** (2006.01)

CPC (source: EP KR US)

A62C 35/58 (2013.01 - KR); **A62D 1/0035** (2013.01 - EP KR US); **F16L 9/12** (2013.01 - KR)

Citation (search report)

See references of WO 2020077175A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020077175 A1 20200416; AU 2019358080 A1 20210513; BR 112021006901 A2 20210720; CA 3115707 A1 20200416; CL 2021000897 A1 20211029; CN 112839719 A 20210525; CR 20210242 A 20210805; EP 3863736 A1 20210818; KR 20210072011 A 20210616; MX 2021004216 A 20210816; PH 12021550811 A1 20211004; US 2021370118 A1 20211202; ZA 202102441 B 20220831

DOCDB simple family (application)

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